

REPORT FOR CALENDAR YR 2003

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

FORM MA333L

CURRENT INDUSTRIAL REPORTS

INTERNAL COMBUSTION ENGINES
(EXCEPT AIRCRAFT, OUTBOARD, TANK
AND NONDIESEL AUTOMOTIVE)If you have questions regarding this
report form please contact:
MARVELLA JONES EXT5
1(800)201-4647

EMPLOYER IDENTIFICATION (EI)

NUMBER. Identification number
used on Employer's Quarterly
Federal Tax Return (U.S. Treasury
Department Form 941) (Enter if
not shown, correct if wrong.)CONTACT PERSON (Enter information
if not shown, correct if wrong.)
Name ATTN: CONTROLLER

Area code Number

Fax number

The 8-digit number that appears above indicates that the Office of Management and Budget has approved this survey.
If that number is not displayed, do not complete this form. YOUR RESPONSE IS REQUIRED BY LAW
(Title 13, United States Code). By section 9 of the same law, YOUR REPORT IS CONFIDENTIAL.
It may be seen only by persons sworn to uphold the confidentiality of Census Bureau information and may be used only
for statistical purposes. The law also provides that copies retained in your files are immune from legal process.In correspondence pertaining to this establishment's report,
please refer to the 11 digit Identification Number (ID)

(Please correct any error in name and address including ZIP Code)

PART 1 FOR EACH ITEM LISTED BELOW, ENTER FIGURES OR "0" for current period. (The figures shown in the shaded areas were reported
for the previous two periods.) PLEASE REFER TO THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT FORM.

Item (Product code - Description)	Item code	Report period	Section 1: FUEL SYSTEM AND HORSEPOWER RATINGS					Produced & incor- porated in other products Number
			Total No. of Engines Produced	Shipments to Other Companies	Transfers to Other Plants of the Same Company			
			Number	Number	(\$1,000)	Number	(\$1,000)	
3336181111-Gasoline engines - {except automotive} under 11 horsepower	9101	2003	1	2	3	4	5	6
		2002						
		2001						
3336181113-Gasoline engines - {except automotive} 11 to under 21 horsepower	9202	2003						
		2002						
		2001						
3336181115-Gasoline engines - {except automotive} 21 to under 61 horsepower	9203	2003						
		2002						
		2001						
3336181117-Gasoline engines - {except automotive} 61 horsepower and over	9207	2003						
		2002						
		2001						

* Figures not received when form was prepared. PLEASE ENTER, if not previously submitted.

CURRENT INDUSTRIAL REPORTS - Continued

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PART I - Continued

Item (Product code – Description)	Item code	Report period	Section 1: FUEL SYSTEM AND HORSEPOWER RATINGS					Produced & incor- porated in other products Number
			Total No. of Engines Produced	Shipments to Other Companies	Transfers to Other Plants of the Same Company	Transfers to Other Plants of the Same Company		
			Number 1	Number 2	(\$1,000) 3	Number 4	(\$1,000) 5	
X X X -Total gasoline {except automotive} engines {sum of codes 9101 - 9207}	9299	2003						
		2002						
		2001						
3336183111-Nonautomotive diesel engines - under 101 horsepower	9331	2003						
		2002						
		2001						
3336183113-Nonautomotive diesel engines - 101 to under 151 horsepower	9333	2003						
		2002						
		2001						
3336183115-Nonautomotive diesel engines - 151 to under 176 horsepower	9335	2003						
		2002						
		2001						
3336183117-Nonautomotive diesel engines - 176 to under 251 horsepower	9337	2003						
		2002						
		2001						
3336183119-Nonautomotive diesel engines - 251 to under 301 horsepower	9339	2003						
		2002						
		2001						
333618311B-Nonautomotive diesel engines - 301 to under 401 horsepower	9341	2003						
		2002						
		2001						
333618311D-Nonautomotive diesel engines - 401 to under 451 horsepower	9343	2003						
		2002						
		2001						
333618311F-Nonautomotive diesel engines - 451 to under 601 horsepower	9345	2003						
		2002						
		2001						
333618311H-Nonautomotive diesel engines - 601 to under 701 horsepower	9347	2003						
		2002						
		2001						

CURRENT INDUSTRIAL REPORTS - Continued

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PART I - Continued

Item (Product code - Description)	Item code	Report period	Section 1: FUEL SYSTEM AND HORSEPOWER RATINGS					Produced & incor- porated in other products Number
			Total No. of Engines Produced Number	Shipments to Other Companies Number	Transfers to Other Plants of the Same Company (\$1,000) Number	Transfers to Other Plants of the Same Company (\$1,000) Number		
333618311J-Nonautomotive diesel engines - 701 to under 801 horsepower	9349	2003						
		2002						
		2001						
333618311L-Nonautomotive diesel engines - 801 to under 1,501 horsepower	9351	2003						
		2002						
		2001						
333618311M-Nonautomotive diesel engines - 1,501 horsepower and over	9353	2003						
		2002						
		2001						
X X X -Total nonautomotive diesel engines {sum of codes 9331 - 9353}	9399	2003						
		2002						
		2001						
3336185111-Automotive diesel engines - under 226 horse- power	9410	2003						
		2002						
		2001						
3336185113-Automotive diesel engines - 226 to under 251 horsepower	9414	2003						
		2002						
		2001						
3336185115-Automotive diesel engines - 251 and over	9425	2003						
		2002						
		2001						
X X X -Total automotive diesel engines {sum of codes 9410 - 9425}	9499	2003						
		2002						
		2001						
3336189111-Natural gas and LPG engines - under 501 horsepower	9611	2003						
		2002						
		2001						
3336189113-Natural gas and LPG engines - 501 horsepower and over	9612	2003						
		2002						
		2001						

CURRENT INDUSTRIAL REPORTS - Continued

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PART I - Continued

Item (Product code - Description)	Item code	Report period	Section 1: FUEL SYSTEM AND HORSEPOWER RATINGS					Produced & incor- porated in other products Number
			Total No. of Engines Produced Number 1	Shipments to Other Companies Number 2	Transfers to Other Plants of the Same Company (\$1,000) Number 3	Transfers to Other Plants of the Same Company (\$1,000) Number 4	Transfers to Other Plants of the Same Company (\$1,000) Number 5	
X X X -Total natural gas and LGP engines {sum of codes 9611 - 9612}	9699	2003						
		2002						
		2001						
			Section 2: FUEL SYSTEM PISTON DISPLACEMENT					
			Gasoline Engines Produced Number	Nonauto- motive Diesel Engines Produced Number	Auto- motive Diesel Engines Produced Number			
X X X -Internal combustion engines - under 251 cc	9821	2003						
		2002						
		2001						
X X X -Internal combustion engines - 251 to 1,000 cc	9826	2003						
		2002						
		2001						
X X X -Internal combustion engines - 1,001 to 2,500 cc	9831	2003						
		2002						
		2001						
X X X -Internal combustion engines - 2,501 to 3,700 cc	9836	2003						
		2002						
		2001						
X X X -Internal combustion engines - 3,701 to 5,000 cc	9841	2003						
		2002						
		2001						
X X X -Internal combustion engines - 5,001 to 6,500 cc	9846	2003						
		2002						
		2001						
X X X -Internal combustion engines - 6,501 to 8,000 cc	9851	2003						
		2002						
		2001						

CURRENT INDUSTRIAL REPORTS - Continued

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PART I - Continued

Item (Product code - Description)	Item code	Report period	Section 2: FUEL SYSTEM PISTON DISPLACEMENT					
			Gasoline Engines Produced Number	Nonauto- motive Diesel Engines Produced Number	Auto- motive Diesel Engines Produced Number			
			1	2	3	4	5	6
X X X -Internal combustion engines - 8,001 to 13,000 cc	9856	2003						
		2002						
		2001						
X X X -Internal combustion engines - 13,001 cc and over	9861	2003						
		2002						
		2001						
X X X -Total internal com- bustion engines {sum of codes 9821 - 9861}	9899	2003						
		2002						
		2001						
			Section 3: FUEL SYSTEM AND END APPLICATION					
			Gasoline Engines Produced Number	Nonauto- motive Diesel Engines Produced Number				
X X X -Oil field and petro- leum related generating and stationary equipment	9900	2003						
		2002						
		2001						
X X X -Other generator sets	9902	2003						
		2002						
		2001						
X X X -Irrigation	9903	2003						
		2002						
		2001						
X X X -Agricultural vehicu- lar	9904	2003						
		2002						
		2001						
X X X -Off-highway mobile construction equipment	9905	2003						
		2002						
		2001						

CURRENT INDUSTRIAL REPORTS - Continued

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PART I - Continued

Item (Product code - Description)	Item code	Report period	Section 3: FUEL SYSTEM AND END APPLICATION					
			Gasoline Engines Produced Number 1	Nonauto- motive Diesel Engines Produced Number 2	3	4	5	6
X X X -Marine, except out- board	9906	2003						
		2002						
		2001						
X X X -Railroad, motive power type	9907	2003						
		2002						
		2001						
X X X -Chain saws	9908	2003						
		2002						
		2001						
X X X -Garden tractors	9909	2003						
		2002						
		2001						
X X X -Lawn, home, and rec- reational equipment	9910	2003						
		2002						
		2001						
X X X -Other general indus- trial	9912	2003						
		2002						
		2001						
X X X -Total by fuel system and end application {sum of codes 9900 - 9912}	9990	2003						
		2002						
		2001						

PART II Has there been any change in the ownership or operation of this establishment during this period? <input type="checkbox"/> Yes - Indicate type of change below. <input type="checkbox"/> No - Skip to Part III.			
	Name of company	Address (Number and street, city, State, ZIP Code)	Date of change
A. <input type="checkbox"/> Purchased from			
B. <input type="checkbox"/> Sold to			
C. <input type="checkbox"/> Plant discontinued all operations	Date		
D. <input type="checkbox"/> Plant operations no longer covered by this survey - Describe in "Remarks" the products currently produced.			
E. <input type="checkbox"/> Reorganized - Describe in "Remarks;" e.g., partnership change or change in corporate status.			

PART IV Remarks

Signature of authorized official	Title	Date
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FORM CIR-2 (10-24-2002)

MA333L — INTERNAL COMBUSTION ENGINES (EXCEPT AIRCRAFT AND NONDIESEL AUTOMOTIVE)

DEFINITIONS AND SPECIAL INSTRUCTIONS

1. Scope of survey

This survey covers the production of all types of internal combustion engines except outboard, tank, aircraft, and nondiesel automotive engines produced for shipment or for the incorporation into other products.

2. Figures to be reported

Companies with more than one establishment manufacturing the products covered by this survey are requested to complete a separate report form for each location. If you have not received a separate form for each of your establishments, please call the contact listed on the report form or write to the U.S. Census Bureau for additional forms.

This report must be filed for each plant producing internal combustion engines either for sale to other companies, for transfer to other plants of the same company, or for incorporation into machinery or equipment shipped from the same plant, including engine-driven generator sets. Do not include engines purchased and resold without further manufacture. If you purchase engines and "hook them up" with generators (either of your own manufacture or purchased by you), the quantity and value of such engine-driven generator sets should be reported on Census Bureau annual form MA335H, "Motors and Generators," under product codes 3353127101-3353127164. Such sets should not be reported in this survey.

If you ship basic engines (short block engines) for conversion to marine or other type engines, such units should be included in this report. In order to avoid duplication, establishments which receive engines for conversion to marine or other uses should exclude such units from their reports.

If your company ships engines between engine producing plants for finishing, such as further trim, etc., for eventual shipment to another company, please take steps to assure that such engines are reported only once. Such engines should be reported as "shipments to other companies" if they are shipped to an outside company or to a distributor (whether or not affiliated with the company).

a. Produced and incorporated into other products

Report the number of engines produced and incorporated into other products in the same plant such as construction and farm machinery (including tractors), engine-driven generator sets, and other products incorporating an engine of your own manufacture.

b. Quantity and value of shipments

The figures on quantity and value of shipments should include the physical shipments of all products sold, transferred to other establishments within your company, or shipped on consignment, whether for domestic or export sale. The value represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, freight charges, and returns. Shipments to your own branches should be assigned the same value as comparable sales to unaffiliated customers, i.e., the value includes an appropriate allocation of company overhead and profit. Products bought and resold without further manufacture should not be included in shipments.

c. Columnar structure of report

SECTION 1 — Fuel system and horsepower rating (item codes 9101–9699)

Column 1 — Total number of engines produced (sum of columns 2, 4, and 6).

Column 2 — Number of engines shipped to other companies.

Column 3 — Value of engines shipped to other companies (\$1,000).

Column 4 — Number of engines shipped or transferred to other plants of the same company.

Column 5 — Value of engines shipped or transferred to other plants of the same company (\$1,000).

Column 6 — Number of engines produced and incorporated into other products in the same plant.

SECTION 2 — Fuel system and piston displacement (item codes 9821–9899)

Column 1 — Number of gasoline engines produced. (Corresponds to number reported in column 1 for item code 9299.)

Column 2 — Number of nonautomotive diesel engines produced. (Corresponds to number reported in column 1 for item code 9399.)

Column 3 — Number of automotive diesel engines produced. (Corresponds to number reported in column 1 for item code 9499.)

SECTION 3 — Fuel system and end application (item codes 9900– 9990)

Column 1 — Number of gasoline engines produced. (Corresponds to number reported in column 1 for item code 9299.)

Column 2 — Number of nonautomotive diesel engines produced. (Corresponds to number reported in column 1 for item code 9399.)

3. Definitions

HORSEPOWER (SECTION 1)

A unit for measuring the power of motors or engines, equal to 746 watts or to a rate of 33,000 foot-pounds per minute (the force required to raise 33,000 pounds at the rate of one foot per minute).

Engines rated on the basis of "maximum published horsepower at maximum recommended r.p.m." Brake horsepower is no longer collected on this survey.

PISTON DISPLACEMENT (SECTION 2)

The volume (measured in cubic inches) displaced by a stroke of a piston. (Metric equivalents are shown in parentheses.)

END APPLICATIONS (SECTION 3)

Oil field and petroleum related generating and stationary equipment (item code 9900) — Such as electric power generating equipment and other oil field and petroleum uses.

Other generator sets (item code 9902) — Non-oil field applications of electric power generating equipment, including marine auxiliaries

Irrigation (item code 9903) — Stationary irrigation applications

Agricultural vehicular (item code 9904) — Mobile agriculture equipment: agricultural tractors, combines, etc.

Off-highway mobile construction equipment (item code 9905) — Mobile material handling: loaders, graders,

scrapers, construction-type tractor, etc.; mobile logging, mining, quarrying equipment

Marine, except outboard (item code 9906) — Propulsion units only. Report marine auxiliary as other generator sets (item code 9902)

Railroad, motive power type (item code 9907) — Report for diesel engines only

Chain saws (item code 9908) — Report for gasoline engines only

Garden tractors (item code 9909) — Tractors designed for lawn and garden applications (generally less than 20 horsepower)

Lawn, home, and recreational equipment (item code 9910) — Lawn mowers, tillers, snow blowers, edge trimmers, golf carts, motorcycles, mopeds, etc.

Other general industrial (item code 9912) — All other end applications, including cotton gins, non-oil field pumps and compressors, government research, and those not specified elsewhere.

4. Comparability

If you also report in the Annual Survey of Manufactures (Form MA-10000), the sum of values for item codes shown in column (a) should correspond to the dollar values reported under product class codes indicated in column (b) below:

Current Industrial Reports (Form MA333L)	Annual Survey of Manufactures
Item codes (a)	Product class codes (b)
9101 through 9207	3336181
9331 through 9353	3336183
9410 through 9425	3336185
9611 and 9612	3336189

REFERENCE LIST

FORM MA333L		INTERNAL COMBUSTION ENGINES (EXCEPT AIRCRAFT AND NONDIESEL AUTOMOTIVE)
		Section 1 — PRODUCTION AND SHIPMENTS OF INTERNAL COMBUSTION ENGINES BY FUEL SYSTEM AND HORSEPOWER RATING
		Gasoline engines (except automotive)
3336181111	9101	Under 11 hp
3336181113	9202	11 to under 21 hp
3336181115	9203	21 to under 61 hp
3336181117	9207	61 hp and over
XXX	9299	Total (<i>Sum of item codes 9101–9207</i>)
		Nonautomotive diesel engines
3336183111	9331	Under 101 hp
3336183113	9333	101 to under 151 hp
3336183115	9335	151 to under 176 hp
3336183117	9337	176 to under 251 hp
3336183119	9339	251 to under 301 hp
333618311B	9341	301 to under 401 hp
333618311D	9343	401 to under 451 hp
333618311F	9345	451 to under 601 hp
333618311H	9347	601 to under 701 hp
333618311J	9349	701 to under 801 hp
333618311L	9351	801 to under 1,501 hp
333618311M	9353	1,501 hp and over
XXX	9399	Total (<i>Sum of item codes 9331–9353</i>)
		Automotive diesel engines
3336185111	9410	Under 226 hp
3336185113	9414	226 to under 251 hp
3336185115	9425	251 hp and over
XXX	9499	Total (<i>Sum of item codes 9410–9425</i>)
		Natural gas and LPG engines
3336189111	9611	Under 501 hp
3336189113	9612	501 hp and over
XXX	9699	Total (<i>Sum of item codes 9611–9612</i>)

REFERENCE LIST — Continued

FORM **MA333L**

Product code	Item code	Item description
		Section 2 — PRODUCTION OF INTERNAL COMBUSTION ENGINES BY FUEL SYSTEM AND PISTON DISPLACEMENT (CUBIC CENTIMETERS)
XXX	9821	Under 251 cc
XXX	9826	251 to 1,000 cc
XXX	9831	1,001 to 2,500 cc
XXX	9836	2,501 to 3,700 cc
XXX	9841	3,701 to 5,000 cc
XXX	9846	5,001 to 6,500 cc
XXX	9851	6,501 to 8,000 cc
XXX	9856	8,001 to 13,000 cc
XXX	9861	13,001 cc and over
XXX	9899	Total (<i>Sum of item codes 9821–9861</i>)
		Section 3 — PRODUCTION OF INTERNAL COMBUSTION ENGINES BY FUEL SYSTEM AND END APPLICATION
XXX	9900	Oil field and petroleum related generating and stationary equipment
XXX	9902	Other generator sets
XXX	9903	Irrigation
XXX	9904	Agricultural vehicular
XXX	9905	Off-highway mobile construction equipment
XXX	9906	Marine, except outboard
XXX	9907	Railroad, motive power type
XXX	9908	Chain saws
XXX	9909	Garden tractors
XXX	9910	Lawn, home, and recreational equipment
XXX	9912	Other general industrial
XXX	9990	Total (<i>Sum of item codes 9900–9912</i>)
NOTES:		